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(54) **DEVICE AND METHOD FOR CONTROLLING
OPTIMIZATION OF ARRANGEMENT
DESCRIPTION**

(57) Abstract:

PROBLEM TO BE SOLVED: To attain problem solution when the coincidence of shapes can not be discriminated by conventional loop merge processing by estimating the range of optimization execution concerning plural arrangement descriptions based on the level of optimization and the number of dimensions of arrangement decided in advance.

SOLUTION: An optimization execution range discriminating means 2 is provided for discriminating the range of optimization execution concerning plural descriptions based on the level of optimization, the number of dimensions of arrangement of plural arrangement descriptions and the number of arrangement in each dimension decided in advance when reading a text 1 to be an input and performing optimum code generation to the plural arrangement descriptions composed of sentences for operating the arrangement of the text 1. Therefore, an optimum code 8 can be outputted within the optimization execution range discriminated by the optimization execution range discriminating means 2. In this case, it is preferable to hold the level of optimization in an optimization

level information holding part 3 and to hold the number of dimensions of arrangement of plural arrangement descriptions and the number of arrangement in each dimension in a dimension number/arrangement number information holding part 4.

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